

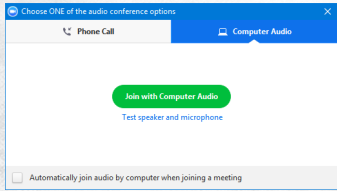
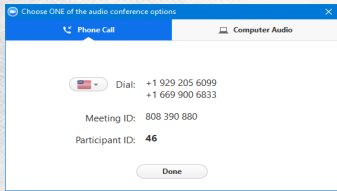
DESIGN OF MULTI-STORY WOOD BUILDINGS IN RISAs

Allan Mitchell, PE


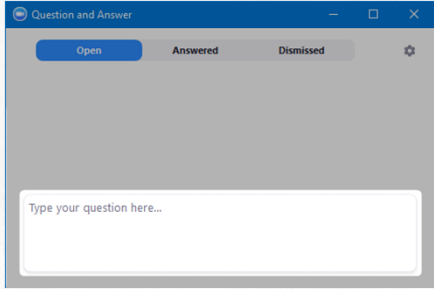
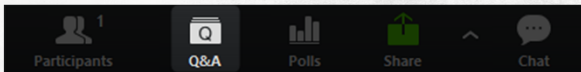
1

ZOOM WEBINAR SETTINGS

Audio Options:



Questions:



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LATEST VERSIONS



Version 15.0.4



Version 19.0.4



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3

REFERENCED CODES



Image Courtesy of International Code Council

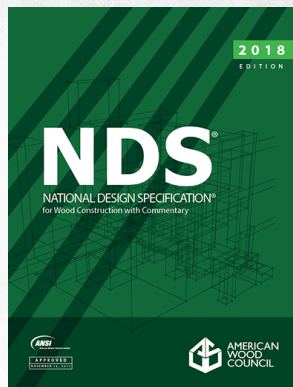


Image Courtesy of American Wood Council

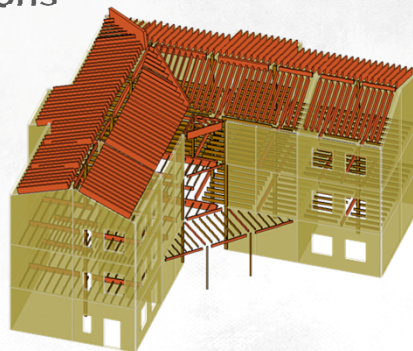


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AGENDA

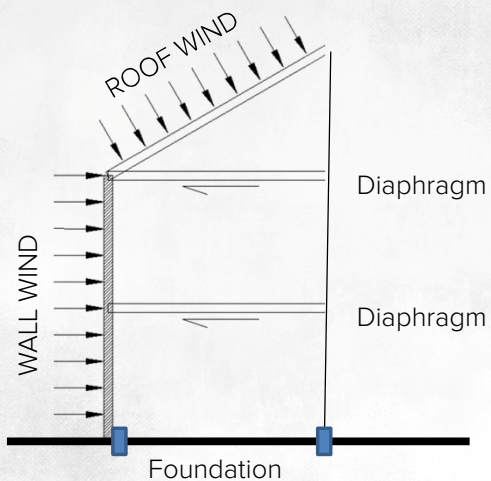
- Lateral Load Path
- Diaphragm Behavior & Options
- Wood Shear Wall Behavior
- Build a Model



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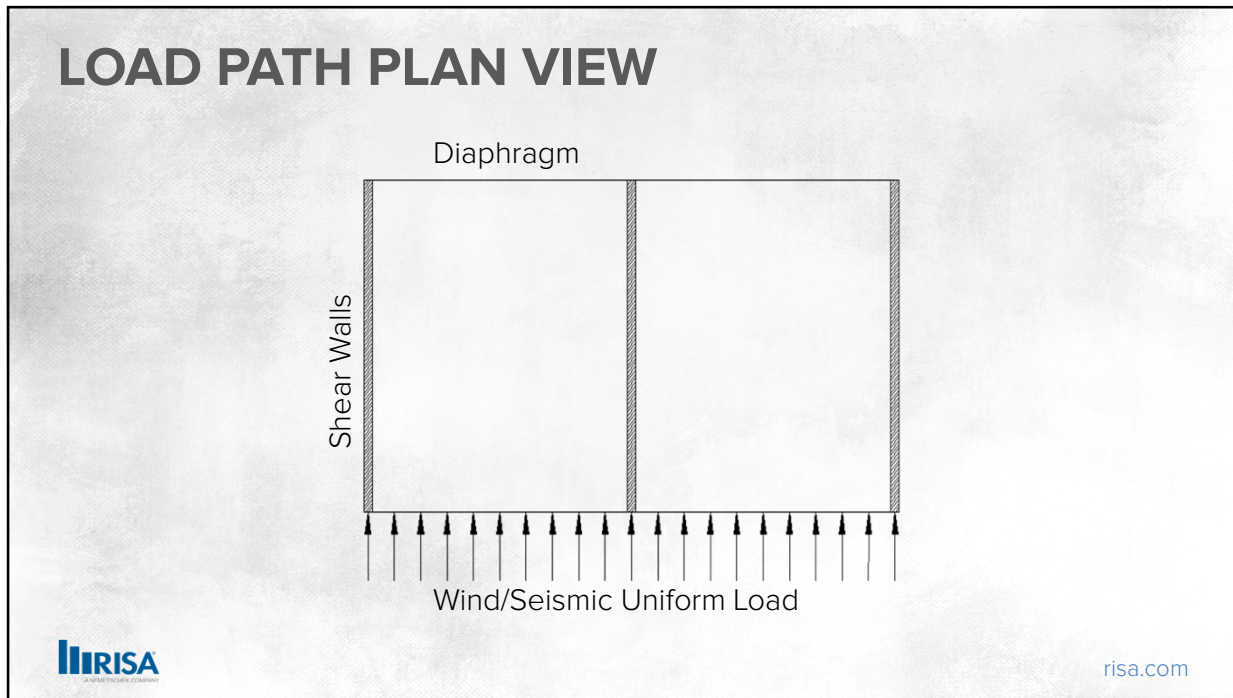
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LOAD PATH ILLUSTRATED

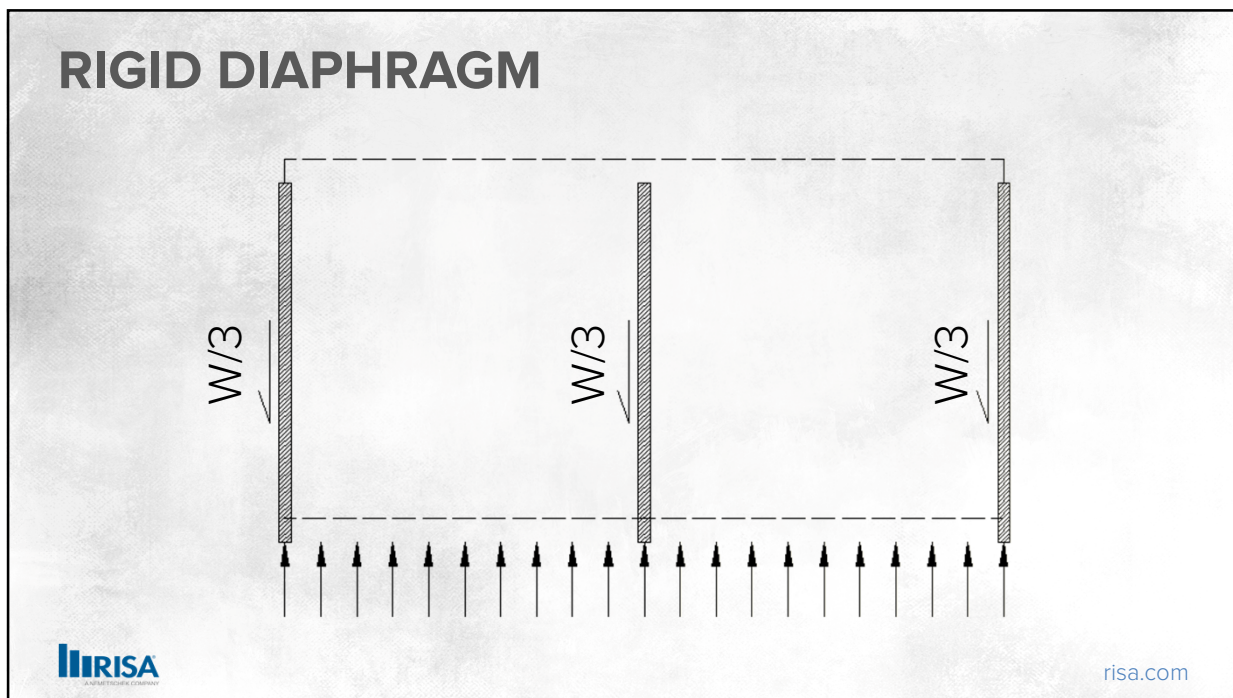


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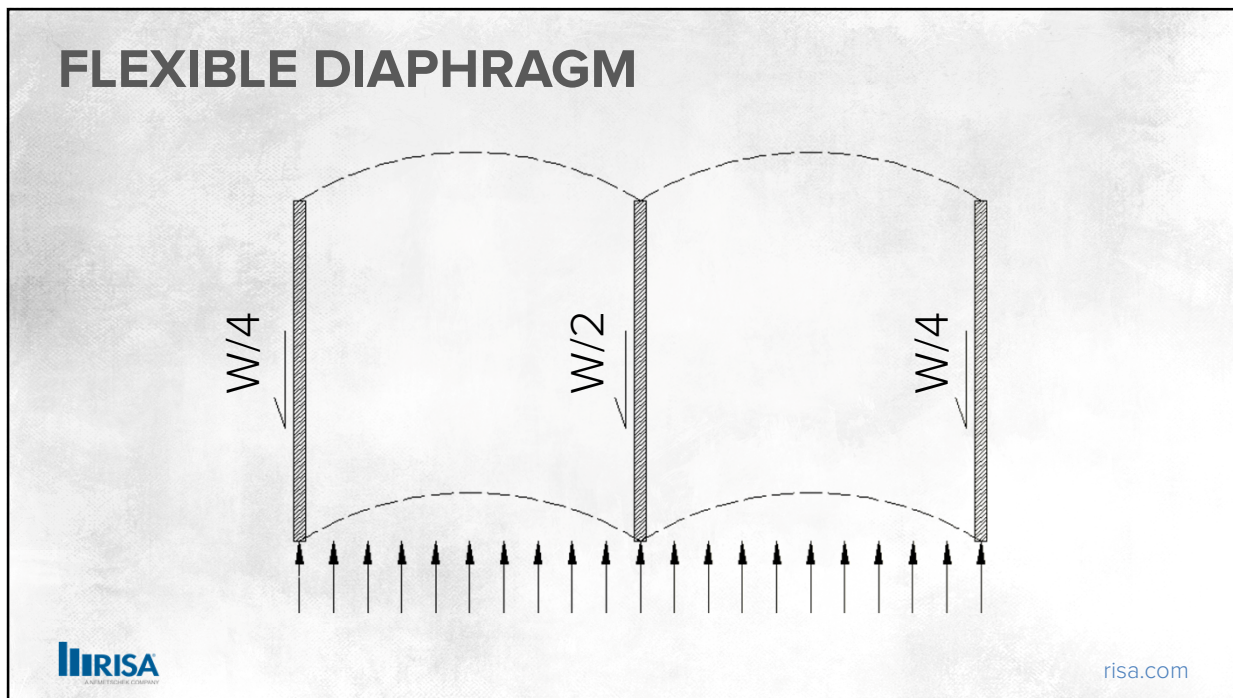
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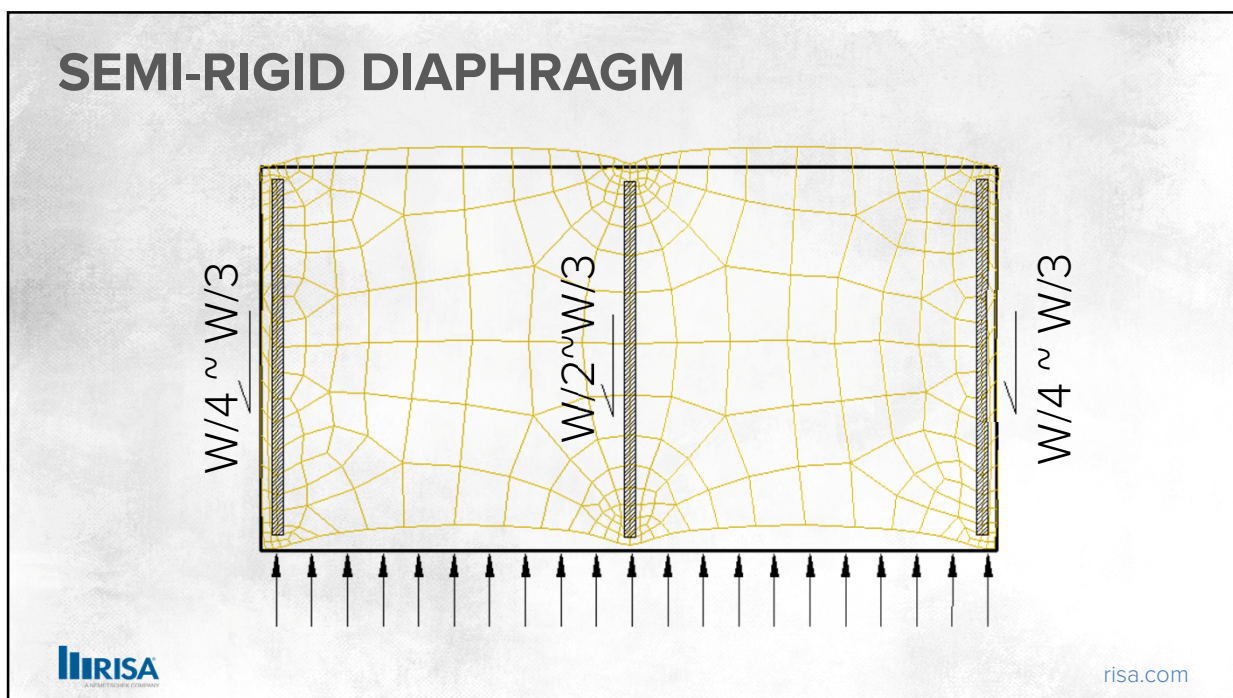
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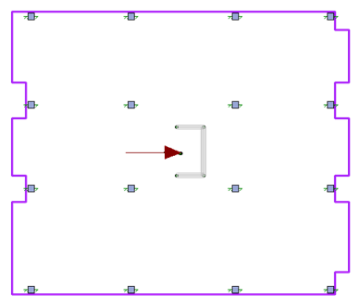


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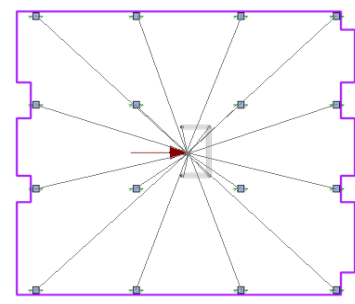


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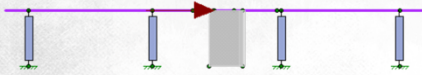
RIGID DIAPHRAGM – LOAD APPLICATION





Plan View



Internally- Rigid Links

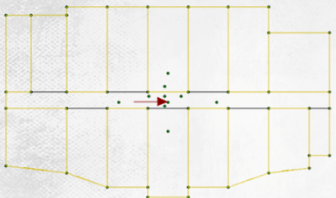


Elevation View

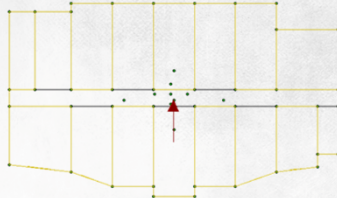



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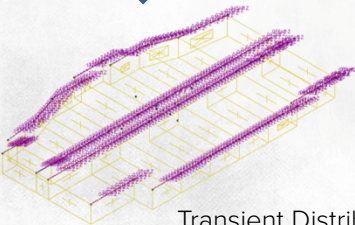
FLEXIBLE DIAPHRAGM – LOAD APPLICATION

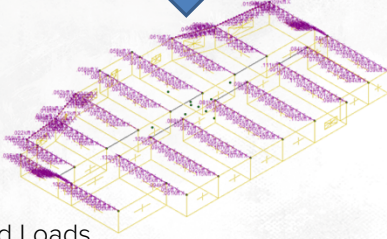


Wind Loads in Z direction (WLZ)





Wind Loads in X direction (WLX)

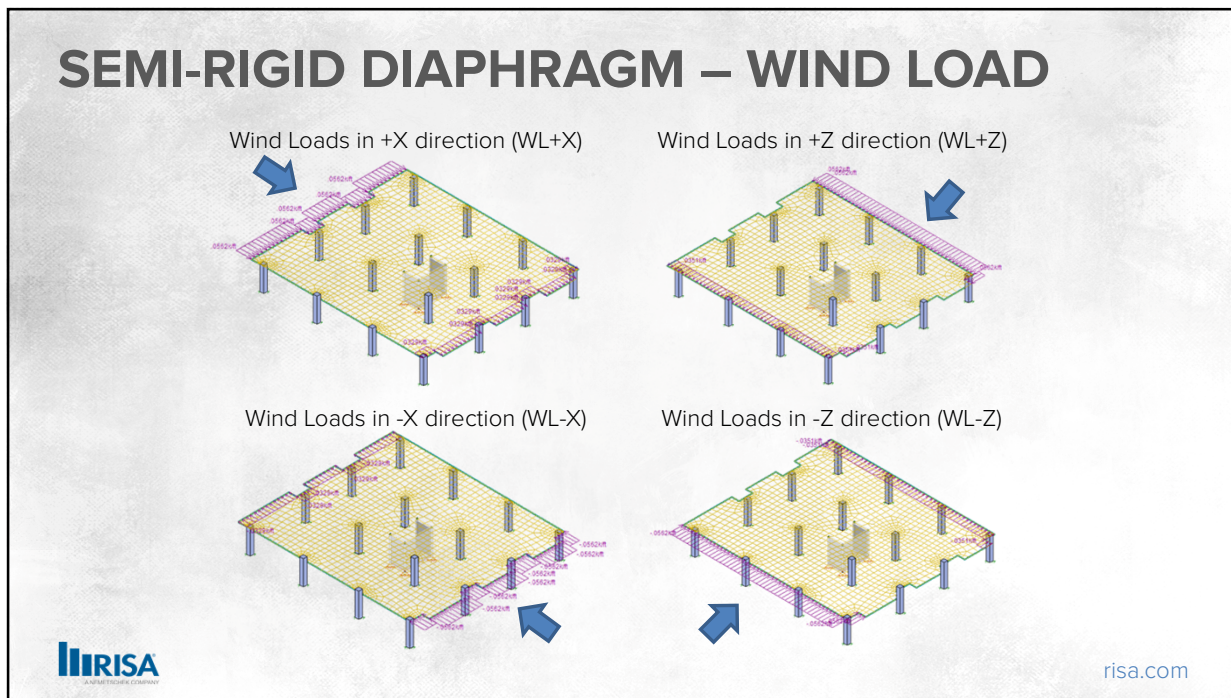




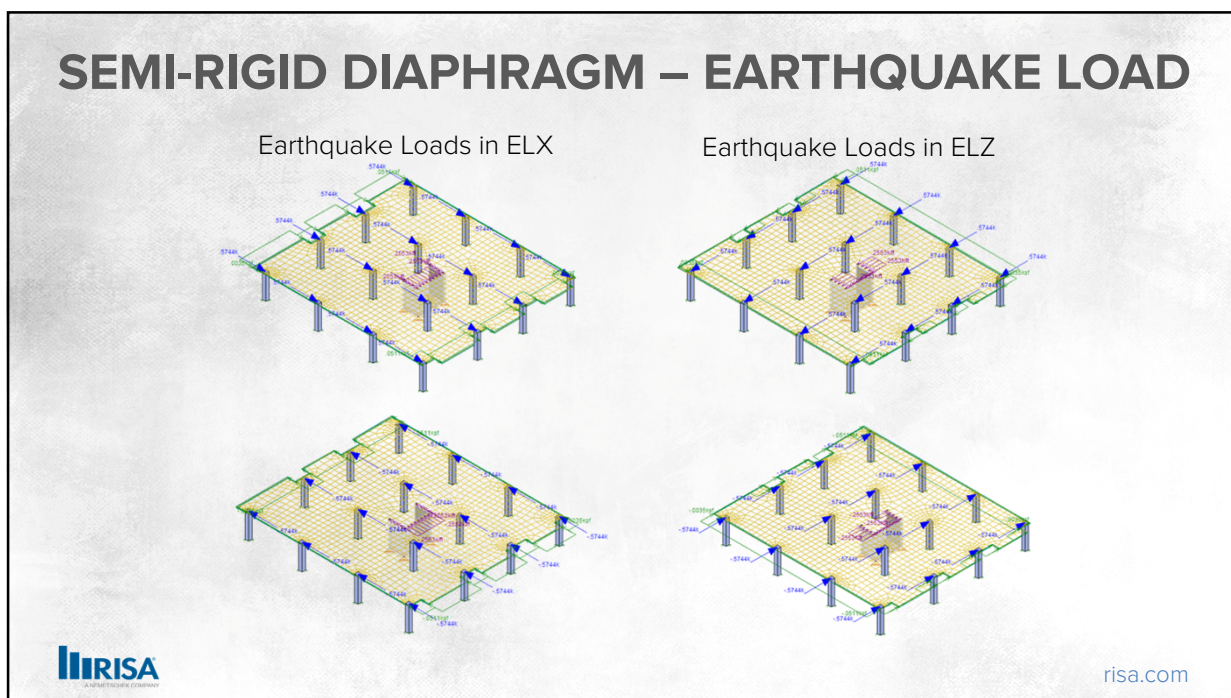
Transient Distributed Loads

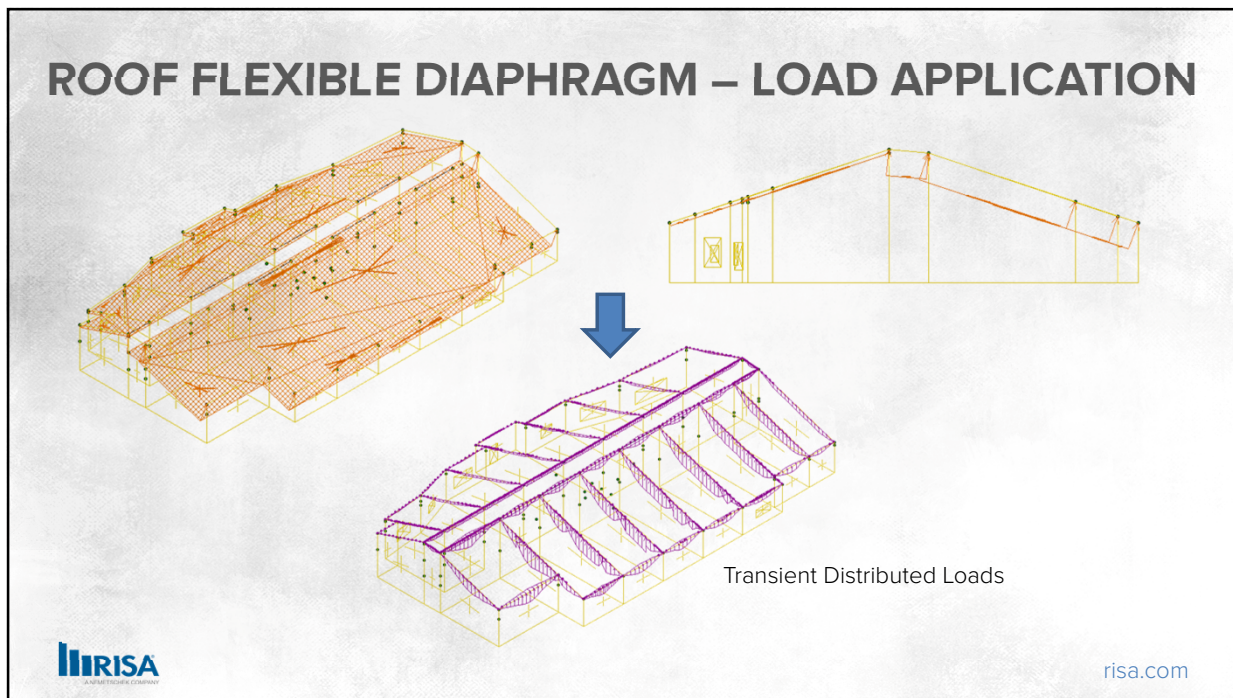
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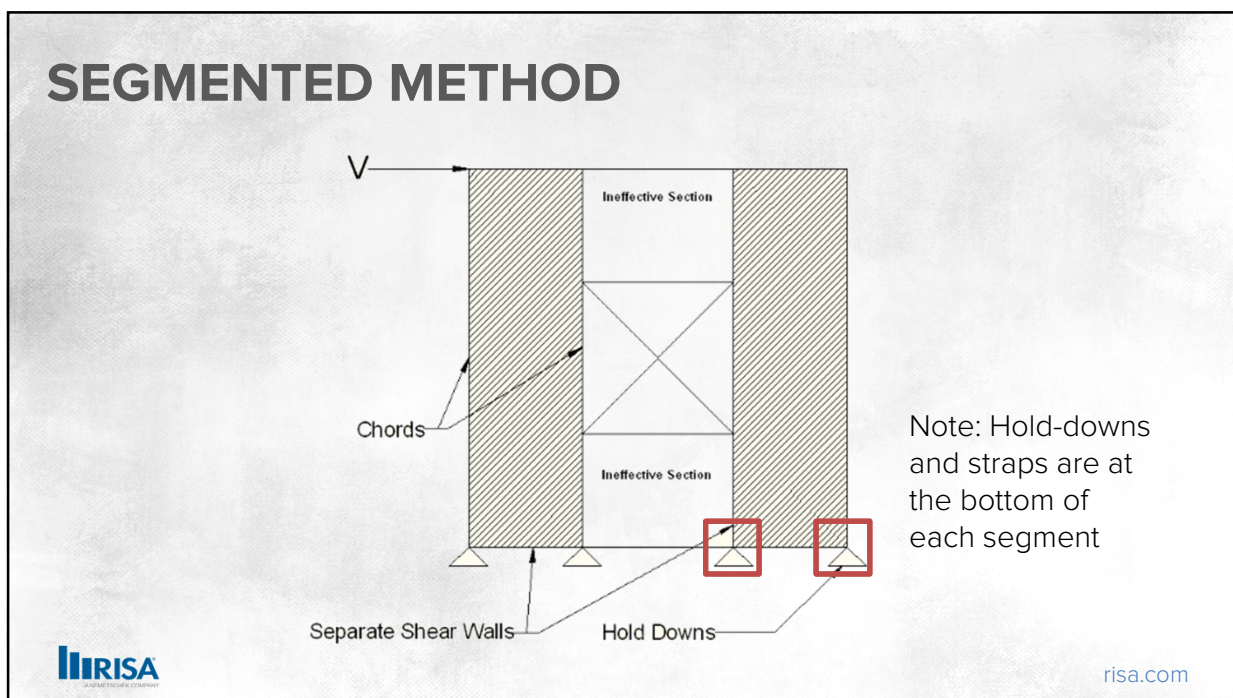
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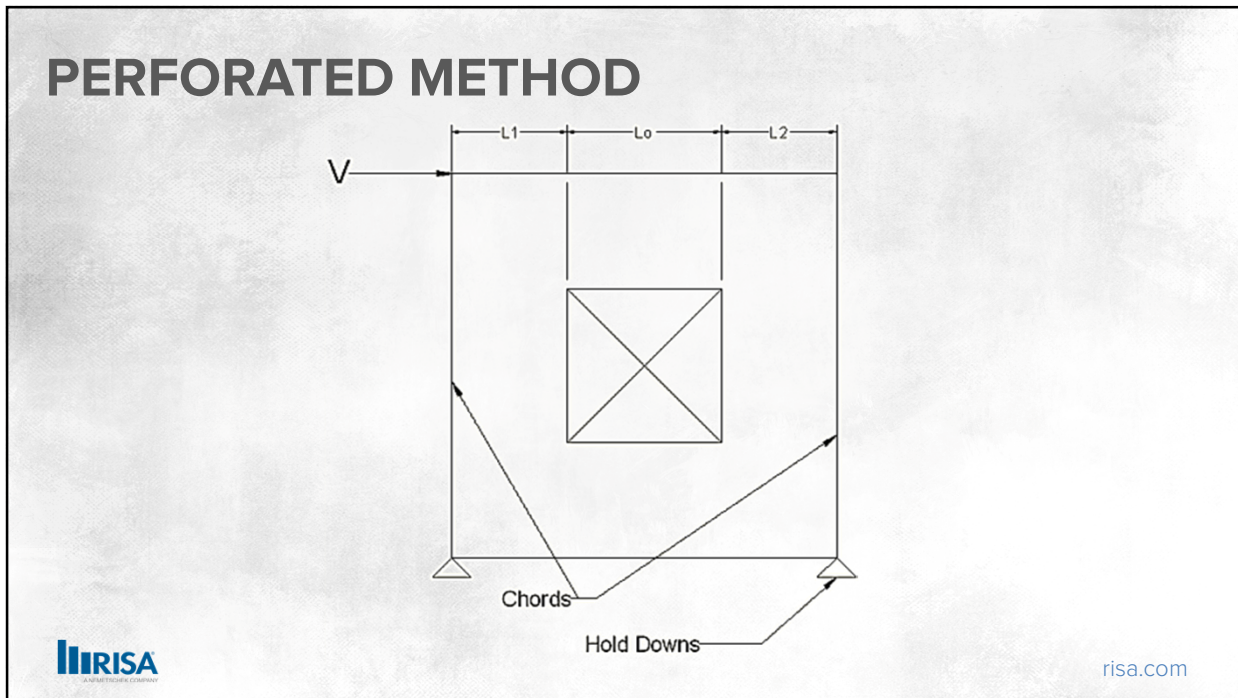
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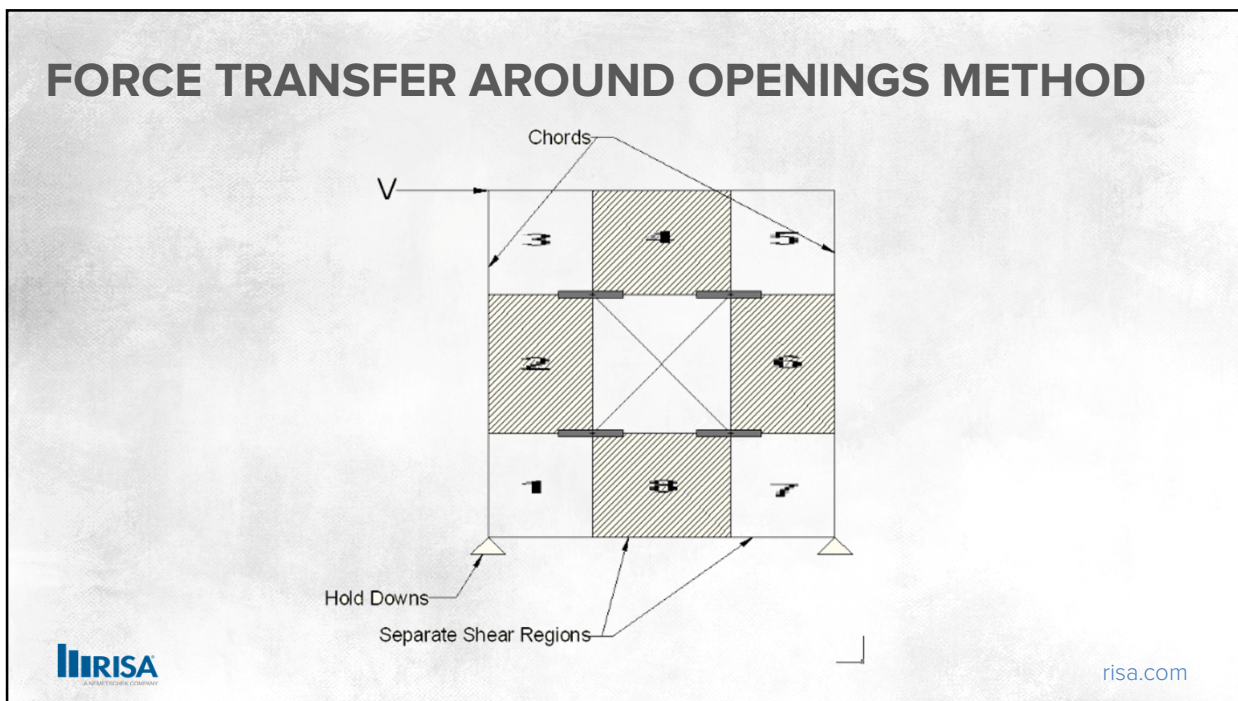
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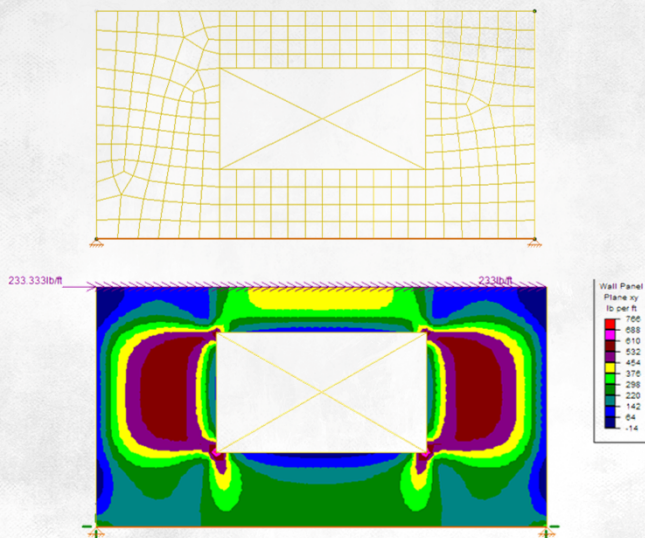


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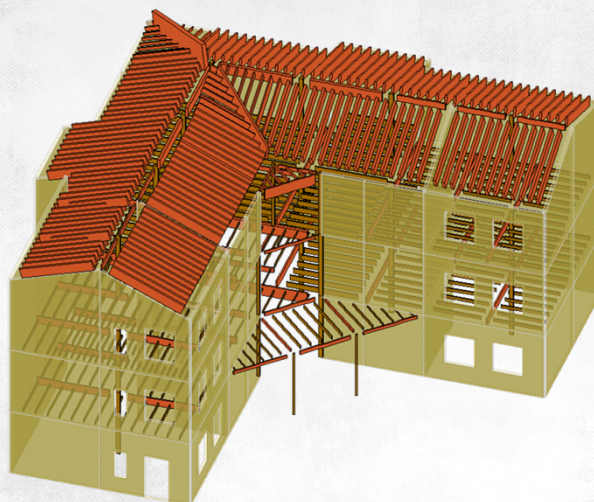
FINITE ELEMENT ANALYSIS



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LET'S BUILD A MODEL!



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ADDITIONAL RESOURCES

- Visit [risa.com/help](https://www.risa.com/help) for RISA's Online Help database
- Wood Products Council: www.woodworks.org
- For further information, contact us at info@risa.com



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